

In The Claims

Please amend the claims as follows.

1. (cancelled)

2. (currently amended) The ~~method~~system according to claim ~~1~~ 12, wherein the switching of the call to any one respective transcoder of available transcoders is a function of at least one predetermined parameter, and wherein the at least one predetermined parameter comprises at least one of a state of each respective transcoder, and a current load on the plurality of transcoders.

3. (currently amended) The ~~method~~system according to claim ~~1~~ 12, wherein the switching of the call to any one respective transcoder of available transcoders is on an as needed basis.

4. (currently amended) The system according to claim 12, wherein ~~A method for using asynchronous transfer mode adaptation layer 2 (AAL2) switching within a wireless access gateway, comprising the steps of:~~

~~terminating a plurality of external AAL2 permanent virtual circuits (PVCs) at an intermediate node;~~

~~setting up a set of internal AAL2 PVCs between the intermediate node and a set of transcoders that form a plurality of digital signal processor (DSP) channels~~ is formed by a set of

internal AAL2 PVCs between the intermediate node and a set of transcoders, and wherein an allocation of;

allocating a respective DSP channel, of the plurality of DSP channels for a call as is a function of at least one predetermined parameter; and

instructing the intermediate node to switch individual AAL TYPE 2 common part sublayer (CPS) packets of a new call from an external AAL2 PVC of the plurality of external AAL2 PVCs to an internal AAL2 PVC of the set of internal AAL2 PVCs; and

the method further comprising;

establishing an even distribution of calls among the set of transcoders for an uneven call load on the plurality of external AAL2 PVCs;

a single packet switch control is operatively connected to the intermediate node, the plurality of external AAL2 PVCs and the set of transcoders for allocating individual channel identifiers (CIDs) to the DSP channels on an as needed basis; and

effecting, via single packet switch control, switching of individual packets from the plurality of external AAL2 PVCs to the set of internal AAL2 PVCs that allows for an even distribution of load among the set of transcoders even if a load on the plurality of external AAL2 PVCs is uneven; and

switching packets on a per call basis at a AAL2 common part sublayer (CPS) layer, and terminating a AAL2 Service Specific Convergence Sublayer (SSCS) layer is terminated on a per call basis at a respective transcoder.

5. (currently amended) The ~~method~~system according to claim 4, wherein the at least one predetermined parameter comprises at least one of a state of the set of transcoders, a current load on the set of transcoders, and a state of the set of internal AAL2 PVCs.

6. (cancelled)

7. (cancelled)

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (Previously presented) A system for using asynchronous transfer mode adaptation layer 2 (AAL2) switching within a wireless access gateway, comprising:

a plurality of external AAL2 permanent virtual circuits (PVCs);

a plurality of internal AAL2 PVCs;

a plurality of transcoders;

at least one intermediate node operatively connected to the plurality of external AAL2 PVCs and to the internal AAL2 PVCs;

an algorithm that takes into account at least a current state of each of the plurality of transcoders and a current load of all of the plurality of transcoders;

a single packet switch control operatively connected to the at least one intermediate node, the plurality of internal AAL2 PVCs and the plurality of transcoders;;

wherein the single packet switch control is structured to utilize the algorithm to instruct the at least one intermediate node to switch individual AAL2 common part sublayer (CPS)-Packets from the external AAL2 PVCs to the internal AAL2 PVCs, the single packet switch control is structured to allocate individual channel identifiers (CIDs) to transcoder channels on an as needed basis, and the single packet switch control is structured to effect switching of individual packets from the external AAL2 PVCs and to the internal AAL2 PVCs that allows for an even distribution of load among the transcoders even if a load on the external AAL2 PVCs is uneven.

13. (cancelled)

14. (cancelled)

15. (cancelled)